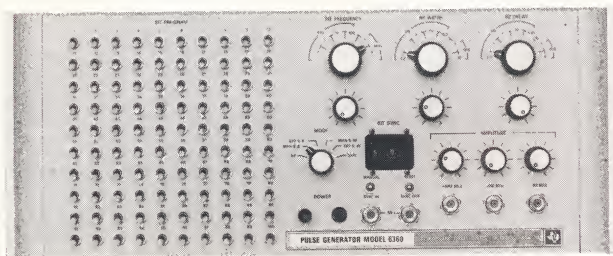


INSTRUMENT DATA

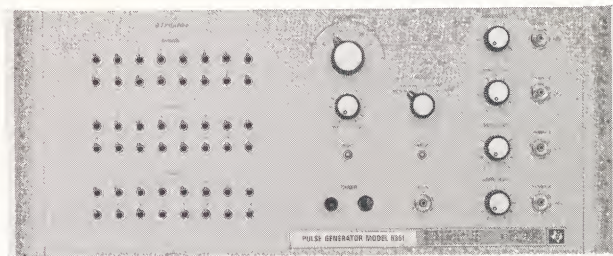
SERIES 6350 WORD GENERATORS

BULLETIN 009

TEST
INSTRUMENTS



Model 6360 — 100 bits
RZ and NRZ output



Model 6351 — 16 bits
2-channels NRZ, 1-channel RZ

DESCRIPTION

THE SERIES 6350 WORD GENERATORS are advanced, solid-state instruments designed specifically to satisfy the test-signal requirements of today's complex circuits and systems used in processing digital data. Integrated circuits are used for all logic and control functions affording savings in size and cost and allow-

ing increased flexibility to meet the requirements of special applications. Basic capability of 100 bits in single or multiple channels and the use of functional plug-in cards provide a wide variety of solutions to the testing problems of design and production engineers.

GENERAL SPECIFICATIONS

BIT REPETITION RATE

Variable to 10 MHz.

OUTPUT FORMAT

Digital word of 100 bits maximum length. Any word length which can be derived as the product of two integers from 1 to 10 is available. Multiple channels, with independent programming, are available within the 100-bit limit — 2 channels of 50-bit words, 5 channels of 20-bit words, 10 channels of 10-bit words, etc. Bits are programmed by front panel toggle switches. Provisions can be made for remote programming of bits by logic level inputs. Operation may be continuous or single-word, with single-word output initiated by manual pushbutton or external pulse input.

OUTPUT WAVESHAPE

Both RZ and NRZ outputs are available. Amplitude is variable from near zero to 5 v, positive and negative, with rise and fall times less than 6 nsec. For RZ type output, bit width is variable from 20 nsec minimum, and bit delay is variable from 40 nsec minimum. Other output amplitudes and special features such as variable rise and fall times and baseline offset are available.

SYNC OUTPUTS

Both bit sync and word sync pulses are available. Thumbwheel switches allow selection of any bit in the word for the sync output. Any sync pulse can be treated as an additional output channel, with variable width, delay and amplitude.

(See other side for partial list of models available)

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P. O. BOX 66027 HOUSTON, TEXAS 77006

MODEL SUMMARY

MODEL	PROGRAMMED CHANNELS	WORD LENGTH	NRZ OUTPUTS	RZ OUTPUTS	SYNC	OUTPUT VOLTAGE	SPECIAL FEATURES	PRICE
6350	1	26	2	—	Special	5	2 delayable sync outputs	\$3400
6351	3	16	2	1	Normal	5		3800
6353	1	20	2	—	N	5		2000
6354	1	24	1	1	N	5		2800
6355	6	10	6	6	N	30		8400
6356	1	16	1	1	N	5		2600
6357	1	100	1	1	N	15		3000
6358	1	100	1	2	N	10		3950
6358A	1	100	1	2	N	10	Variable rise and fall times	4150
6360	1	100	1	2	N	5		3600
6360A	1	100	1	2	N	5	± 1 v baseline control	4500

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TI-889-25M-867
Printed in U.S.A.